

aggravate existing skin irritation where further defatting or skin penetration could occur.

**CHRONIC:** No applicable information found.

### EMERGENCY FIRST AID

**INHALATION:** Remove from further exposure. If unconsciousness occurs, seek immediate medical assistance and call a physician. If breathing has stopped, begin mouth to mouth resuscitation. **EYE CONTACT:** Remove contact lenses (if wearing) and flush eyes with water for 15 minutes. Seek medical attention to check for possible irritation. **SKIN CONTACT:** Wash contact areas with mild non-abrasive soap and water. **INGESTION:** Do not induce vomiting. Dilute with water or milk. Immediately contact physician and obtain treatment.

### SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

**NORMAL STORAGE AND HANDLING:** Store under ordinary conditions. If stored outdoors, store so as to shed water. Protect from freezing. **NORMAL USE:** Use only as recommended. Avoid all contact of concentrate with eyes or prolonged contact with skin. Avoid wearing clothing soaked with fluid. Do not swallow. Practice good personal hygiene by washing hands several times each day. Avoid prolonged inhalation of mist or vapors. Do not transfer to unlabeled containers. Do not reuse containers for other materials or purposes. **FOR INDUSTRIAL USE ONLY.** Not suitable for use in or around household or dwelling. All precautions detailed on the container label apply to partially full or empty containers. Do not cut, braze, weld, solder, or pressurize container as doing so may cause container to burst, potentially causing serious injury or death. Do not attempt to clean as residue is difficult to remove. Containers should be disposed of in an environmentally safe manner and in accordance with applicable governmental regulations. **STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:** Thoroughly flush with water to sewer. **WASTE DISPOSAL METHODS:** FOR USED MIX: 1) Ultrafiltration for sewer disposal, or 2) recycle equipment for reuse, or 3) treat with polymer or inorganic deemulsifiers, then dispose of top layer by incineration or landfill, and dispose of water layer in sanitary sewer. **FOR UNUSED CONCENTRATE:** Incinerate, or contact vendor. Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

### SECTION 8 PERSONAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Product is not volatile. **SKIN PROTECTION:** Waterproof gloves required when handling concentrate. **EYE PROTECTION:** Safety shield or goggles required when handling concentrate. Always wear safety glasses while operating machinery. **VENTILATION-LOCAL:** Normal **MECHANICAL:** No applicable information found. **OTHER:** No applicable information found. **OTHER EQUIPMENT:** Effective metalworking plant protective clothing as appropriate.

### SECTION 9 FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT**-----None. Self-extinguishing. **FLAMMABLE LIMITS**--- LEL: UNKNOWN UEL: UNKNOWN  
**EXTINGUISHING MEDIA:** No fire hazard. **SPECIAL FIRE FIGHTING PROCEDURES:** None  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

### NOTICE

THIS MATERIAL SAFETY DATA SHEET ("MSDS") IS SUPPLIED PURSUANT TO THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S HAZARD COMMUNICATION RULE (THE "RULE"), 29 CFR 1910.1200. THIS MSDS IS BEING FURNISHED TO THE IMMEDIATE PURCHASER OF THE MATERIAL TO WHICH IT REFERS WITHOUT REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS OR ACCURACY OF ANY INFORMATION OR RECOMMENDATIONS CONTAINED HEREIN.

THIS MSDS IS OFFERED SOLELY TO COMPLY WITH THE RULE AND IS NOT INTENDED TO CREATE ANY LIABILITY OF ANY KIND ON THE PART OF SUNNEN PRODUCTS COMPANY ("SUNNEN"). IN NO EVENT WILL SUNNEN BE RESPONSIBLE FOR ANY DEATH, INJURY OR DAMAGE OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF, RELIANCE UPON, OR MISUSE OF THE MSDS. NO REPRESENTATIONS OR WARRANTIES, WHETHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER NATURE, ARE MADE HEREUNDER. THIS MSDS IS NOT INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR EXTEND LICENSES UNDER VALID PATENTS.

THIS MSDS IS FURNISHED UPON THE EXPRESS CONDITION THAT ALL PERSONS RECEIVING IT WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSED PRIOR TO USE. RESPONSIBILITY FOR COMPLIANCE WITH APPLICABLE FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING DISSEMINATION OF THE MSDS AND SALE AND USE OF THE MATERIAL TO WHICH IT REFERS RESTS SOLELY UPON THE PURCHASER.

NFPA DESIGNATION 704



## MATERIAL SAFETY DATA SHEET

HAZARD RATING	HEALTH	1
4=Extreme		
3=High	FIRE	0
2=Moderate		
1=Slight	REACTIVITY	0
0=Insignificant		
	SPECIFIC HAZARD	NONE

### SECTION 1 NAME AND PRODUCT

**MANUFACTURER'S NAME:** SUNNEN PRODUCTS COMPANY  
**ADDRESS:** 7910 Manchester Ave.  
 St. Louis, Mo. 63143  
 United States of America

**CONTACT:** Terry Heller  
**EMERGENCY PHONE NO:** 314-781-2105  
**APPROVED BY:** Terry Heller  
**TITLE:** Manager, Materials R/D  
**DATE:** August 15, 1987

**TRADE NAME, COMMON NAME OR SPECIFICATION:** MS-1101G, SCC-100 or SCC-101 COOLANT  
**CHEMICAL FAMILY:** CHEMICAL MIXTURE **CLASSIFICATION:** NOT APPLICABLE **D.O.T. SHIPPING CLASS:** NOT APPLICABLE

### SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY (PER 29 C.F.R. 1910.1200(g))

COMMON NAME	CHEMICAL NAME OF COMPONENTS	CAS NO	Wt. %	OSHA PEL mg./cu. m.	ACGIH TLV-TWA mg./cu. m.	CARCINOGENIC
-------------	-----------------------------	--------	-------	---------------------	--------------------------	--------------

This product has been determined to be nonhazardous, in accordance with 29 CFR 1910.1200 (d) (Hazard Determination).

**FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS, INDUSTRIAL SALES DEPARTMENT.**

### SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

**SPECIFIC GRAVITY (WATER=1)**-----.996 **PERCENT VOLATILE BY WEIGHT**-----No applicable information found.  
**BOILING POINT**-----212 F (100 C) **VAPOR DENSITY (AIR=1)**-----No applicable information found.  
**EVAPORATION RATE**-----Like water **VAPOR PRESSURE (mm Hg)**-----No applicable information found.  
**SOLUBILITY IN WATER**-----100% **REACTIVITY IN WATER**-----NOT REACTIVE  
**APPEARANCE AND ODOR**-----Clear; burgundy

### SECTION 4 SPECIAL PRECAUTIONS HANDLING AND STORAGE: NONE Refer to Section 7.

### SECTION 5 CORROSIVITY AND REACTIVITY DATA

**STABILITY:** MATERIAL IS STABLE UNDER NORMAL CONDITIONS OF TRANSPORT AND STORAGE.  
**POLYMERIZATION:** HAZARDOUS POLYMERIZATION WILL NOT OCCUR.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** AVOID CONTACT OF CONCENTRATE WITH STRONG ACIDS. CONTAINS AMINES. DO NOT ADD SODIUM NITRITE OR OTHER NITROSATING AGENTS TO THIS MATERIAL. SUSPECTED CANCER-CAUSING NITROSAMINES COULD BE FORMED.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** NO APPLICABLE INFORMATION FOUND.

### SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

**PRIMARY ROUTE(S) OF ENTRY ARE:** INGESTION, INHALATION AND SKIN ABSORPTION.  
**ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE**

**ACUTE:** ORAL TOXICITY (LD50 RATS)- Above 5 g/kg (Undiluted) Non-toxic.  
 INHALATION TOXICITY (LC50 RATS)- Above 20 mg/l for a 10% mix.  
 EYE IRRITATION (RABBITS)- Negative (Undiluted); no irritative or corrosive effects.  
 SKIN IRRITATION (RABBITS)- Negative (Undiluted); noncorrosive and not a primary skin irritant.  
 DERMAL TOXICITY (LD50 RABBITS)- Above 2 g/kg (Undiluted)  
 BACTERIAL MUTAGENIC (AMES) TEST- Non-mutagenic.

This product is not a primary skin irritant; however, skin irritation may occur if used improperly (concentrate or mix). May